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KEY TO ABBREVIATIONS

A, abstract of meeting paper
CR, case report
CC, case conference
E, editorial
H, history

L, letter
O, opinion
obit, obituary
R, review

S, symposium paper
SM, Selected Methods
SN, scientific note
SR, special report

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- 1781 **"Rocket" Immunoelectrophoresis Assay of Vitamin D Binding Protein (Gc Globulin) in Human Serum**
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- 1809 Immunoglobulin-Bound Creatine Kinase BB in Serum with Electrophoretic Migration between MM and MB Isoenzymes
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- 1810 Amniotic Fluid Squalene and Gestational Age
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- 1811 Creatine Kinase Isoenzymes in Tissue from the Thyroid and from Follicular Adenomas of the Thyroid
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- 1812 Furosemide and Increased Serum Alkaline Phosphatase (Hepatic Isoenzyme)
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- 1813 Further Examination of Clinical Chemical Indexes to the Severity of Coronary Artery Disease
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- 1814 Influence of pH on the Activity of Enzymes in Urine at 37 °C
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- 1815 Dialyzable Calcium Measured in 60 μ L of Routinely Processed Serum by Continuous-Flow Analysis with CO₂/Air Segmentation
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- 1816 Routine Biochemical Tests in the Terminal Stages of Chronic Alcoholic Liver Disease
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- 1820 Effect of Duration and Temperature of Storage on Nephelometry of Five Proteins
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- 1820 Fluorometry of Urinary Histidine
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- 1821 Sample Interaction (Carryover) on the *aca* when Glycol-Stabilized Serum Is Used
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- 1821 A Simple Quantitative Rubella RIA
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- 1822 Source of Error in β -Choriogonadotropin Determinations
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- 1822 A Lower Reference Interval for Hemoglobin A₁
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- 1823 Phosphate Ion and Combined Phosphorus in Urine
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- 1824 Unexpected Creatine Kinase Isoenzyme Patterns: Isoenzyme Electrophoresis May Yield Ambiguous Results
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- 1825 Calibration of Alpha-Fetoprotein Assays
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- 1826 NAD⁺-Dissociable Macromolecular Lactate Dehydrogenase
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- 1826 Free Thyroxin: A Comparison of Direct and Indirect Methods and Their Diagnostic Usefulness in Nonthyroidal Illness
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- 1829 Sufficiency of One Control: A Survey of Three Small Chemistry Analyzers
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- 1829 More on Lactate Dehydrogenase in Myocardial Infarction
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- 1830 Temperature Conversion Factors for Total and Isoenzyme 1 Activities of Lactate Dehydrogenase
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- 1831 Modified Inorganic Phosphorus Reagent for Use with Centrifugal Analyzer
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- 1831 Experiences and Opinions on CEA Assay
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- 1832 Automating Assay of Methotrexate
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- Samuel Natelson, Morton F. Mason, Gail Stetten, Charles L. Winek, M. B. Epstein, J. S. King, J. A. Jonckheere, A. P. De Leenheer, Christopher S. Frings, and N. L. Anderson

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SEPTEMBER

Fourteenth Annual Symposium on Advanced Analytical Concepts for the Clinical Laboratory

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I. Analytical Concepts

- 1844 Release Tags: A New Class of Analytical Reagents
Regula Joppich-Kuhn, Markus Joppich, and Roger W. Giese

- 1848 Enzyme Immunoassay with Flow-Amperometric Detection of NADH
H. Mitchell Eggers, H. Brian Halsall, and William R. Heineman

- 1852 A Short-Term In Vitro Drug-Screening Assay for Cancer Chemotherapy
Suio-Ling Chen, Jimmy R. Snoga, and H. Croft

- 1857 Solid-Phase Colorimetric Determination of Potassium
Steven C. Charlton, Roger L. Fleming, and Adam Zipp

- 1862 Enzyme Immunoassay of the Glycoprotein Tropic Hormones—Choriogonadotropin, Lutropin, Thyrotropin—with Solid-Phase Monoclonal Antibody for the α -Subunit and Enzyme-Coupled Monoclonal Antibody Specific for the β -Subunit
H. Garrett Wada, Robert J. Danisch, Sarah R. Baxter, M. Marcia Federici, Robin C. Fraser, Linn J. Brownmiller, and John C. Lankford

- 1867 An Innovative Technology for "Random-Access" Sampling
John Smith, Dario Svenjak, John Turrell, and Dan Vlastelica

- 1873 Analysis of Serum by High-Field Proton Nuclear Magnetic Resonance
Jay L. Bock

II. Analytical Systems

- 1878 Potential Clinical Applications of Photoacoustics
Allan Rosencwaig

- 1882 On-Line Direct Liquid Introduction Interface for Micro-Liquid Chromatography/Mass Spectrometry: Application to Drug Analysis
Christine Eckers, Dale S. Skrabalak, and Jack Henion

- 1887 Semiautomated Microfluorometric Instrument and Reagent System for Monitoring Disease-Related Immunosuppression
David F. Ranney and Alfred J. Quattrone

- 1894 Radial Partition Immunoassay
Joseph L. Giegel, Mary M. Brotherton, Peter Cronin, Michael D'Aquino, Susan Evans, Z. Herbert Heller, William S. Knight, Kanna Krishnan, and Mark Sheiman

- 1899 Development of the Biostat[®] Glucose Clamping Algorithm
A. H. Clemens, D. L. Hough, and P. A. D'Orazio

- 1905 Rapid Enumeration of T Lymphocytes by a Flow-Cytometric Immunofluorescence Method
Stephen H. Ip, Charles W. Rittershaus, Kathleen W. Healey, Carol C. Struzziero, Robert A. Hoffman, and Peter W. Hansen

- 1910 **Automated Intelligent Microscopy (AIM) And Its Potential Application in the Clinical Laboratory**
F. H. Deindorfer, W. B. Boris, J. R. Gangwer, C. W. Laird, and J. W. Tittler
- 1917 **A Computer-Based Maintenance Reminder and Record-Keeping System for Clinical Laboratories**
Bruce I. Roberts, Carl L. Mathews, Charlotte J. Walton, and George Frazier

III. Electrochemical Techniques

- 1922 **Organic Electrochemical Techniques Having Potential Clinical Application**
R. A. Durst, E. A. Blubaugh, K. A. Bunding, M. L. Fultz, W. A. MacCrehan, and W. T. Yap
- 1931 **Relationship between Direct Potentiometric and Flame Photometric Measurement of Sodium in Blood**
Fred S. Apple, David D. Koch, Steven Graves, and Jack H. Ladenson
- 1936 **Establishing the Direct-Potentiometric "Normal" Range for Na/K: Residual Liquid Junction Potential and Activity Coefficient Effects**
John D. Czaban, Alan D. Cormier, and Kenneth D. Legg
- 1946 **Analytical Problems Facing the Development of Electrochemical Transducers for In Vivo Drug Monitoring: An Overview**
Thomas C. Pinkerton and Bonnie L. Lawson
- 1956 **Development of a Multichannel Electrochemical Centrifugal Analyzer**
Hee Kyoung Cho, Yong Han Lee, Richard A. Couch, J. M. Jagadeesh, and Carter L. Olson
- 1962 **An Electrochemical Assay System for Peroxidase and Peroxidase-Coupled Reactions Based on a Fluoride Ion-Selective Electrode**
Iqbal W. Siddiqi
- 1968 **Electrochemical Investigation of Hapten-Antibody Interactions by Differential Pulse Polarography**
Kenneth R. Wehmeyer, H. Brian Halsall, and William R. Heineman
- 1973 **Polymer-Membrane Electrode-Based Potentiometric Sensing of Ammonia and Carbon Dioxide in Physiological Fluids**
M. E. Meyerhoff, Y. M. Fraticelli, J. A. Greenberg, J. Rosen, S. J. Parks, and W. N. Opdycke

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- 1979 **Serum Creatine Kinase and Corticosteroids**
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- 1979 **Potential Interference with the Technicon SMAC Triglyceride Measurement, as Illustrated by Metronidazole**
Sally N. Davies, John B. Campbell, and Nathan Gochman
- 1980 **Atypical Serum Creatine Kinase MM and Myeloma during Dermatomyositis**
M. Chevrot, S. Herson, A. Pilon, P. Godeau, and J. Galli
- 1981 **Cefoxitin Interference with Serum Creatinine Measurement Varies with the Assay System**
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- 1981 **Interference with the YSI Glucose Analyzer: A Comment from the Manufacturer**
Henry E. Sostman
- 1982 **Estimating Biological Variation in Diagnostic Tests**
Douglas Dix, Patricia Cohen, and Samad Barzegar
- 1982 **Interference of "Intralipid" with Measurement of Total Serum Proteins in the Du Pont *a*ca Is Removed by Trichlorofluoromethane**

- Jan Borgen, Ole Christian Ingebretsen, and Kåre Sønstad
- 1983 **Quantification of Short-Chain Fatty Acids in Plasma**
Brian McArthur and Ashok P. Sarnaik
- 1984 **Production of Lactate by Aerobic Bacteria**
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- 1986 **Quantitative Electrodealytic Separation of Ions from Whole Blood before Analysis**
James A. Cox and Ronald H. Carlson
- 1987 **Interference in the Proposed Selected Method for Determination of Theophylline by Liquid Chromatography**
Jan H. G. Jonkman, Rokus A. de Zeeuw, and Roelof Schoenmaker
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- 1988 **Gamma-Glutamyltransferase in Saliva**
Juan Jiménez-Alonso, Laura Jaimez, Francisco Pérez-Jiménez, Antonio Grilo, and José A. Jiménez-Pérez
- 1989 **Discrepant Results for Free Thyroxine by Radioimmunoassay and Dialysis Procedures Explained**
R. Mardell and T. R. Gamlen
- 1989 **Performance Studies with Reagent Concentrates for SMAC**
Rajiva Nandan, William Delavari, Paul Breider, C. A. Mudd, and J. B. McCormick
- 1991 **Further Evidence for the Importance of Inter-Sample Air Compression as a Source of Error in a Continuous-Flow (Technicon SMAC) System**
M. H. Abernethy, T. A. Walmsley, and R. T. Fowler
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E. Arthur Robertson and Ruth A. Chesler
- 1992 **Enzymatic Assays for Urea Nitrogen and Uric Acid on the Cobas Bio Centrifugal Analyzer**
Bruce C. Shull and Nora Cerins-Overbey
- 1993 **Removal of Labile Glycosylated Hemoglobin to Correct for Fluctuations in Hemoglobin A₁ Measurement by Column Chromatography**
Steven G. Wyble, Carol A. French, and Theodor K. Mayer
- 1994 **Mannitol Interferes with the Du Pont *a*ca Method for Inorganic Phosphorus**
Paul W. Landesman, John A. Lott, and Richard A. Zager
- 1995 **Cathodal Creatine Kinase Band, a Poor Prognostic Sign in Malignancy**
Mary Ann Grobbel, Noel S. Lawson, and Roger R. Calam
- 1996 **Lability of Lactate Dehydrogenase Activity in Ethylene Glycol-Treated Pooled Serum, and the Stabilizing Effect of Glycerol**
Kiyoh Tanishima and Mikio Nagahara
- 1997 **Concentration of Ammonium Hydroxide Is Critical in Chromatographic Solvents for Amniotic Fluid Phospholipids**
John H. Glick, Jr. and Carolyn L. Crocker
- 1998 **False Increases of β -Subunit Chorionadotropin in Commercial Kit Results Because of Cross Reactivity with Lutropin**
Catherine Ketchum, Noel MacLaren, Jim Jensen, Ian Phillips, Roy Weiner, and Mike Kappy
- 1999 **Serum Catalase Enzyme Activity in Acute Pancreatitis**
László Góth, István Mészáros, and Hajnalka Németh
- 2000 **Citrate Agar Electrophoresis Is Electrochromatography**
J. S. Krauss and M. H. Jonah
- 2001 **Do Some Commonly Measured Serum Enzyme Activities Correlate with the Extent of Metastatic Tumor Involvement of the Liver?**
Amin A. Nanji and Nazma Jetha

- 2002 **Cupric Acetate-Phosphoric Acid Staining Inadequately Reflects the Lecithin/Sphingomyelin Ratio**
Hans Egberts
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A. A. Pappas, R. H. Gadsden, and R. E. Mullins
- 2003 **Lithium Interference with Potentiometric Sodium Determination**
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- 2007 **REVIEW: Alkaline Phosphatase Isoenzymes**
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- 2017 **Evaluation and Comparison of Immunoinhibition and Immunoprecipitation Methods for Differentiating MB from BB and Macro Forms of Creatine Kinase Isoenzymes in Patients and Healthy Individuals**
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- 2022 **Interlaboratory Surveys of the Quantitation of Thyroxine and Thyrotropin (Thyroid-Stimulating Hormone) in Dried Blood Spot Specimens**
Thomas L. Hearn and W. Harry Hannon
- 2026 **Gas-Chromatographic Assay for Heme Oxygenase Activity**
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- 2033 **β_2 -Microglobulin Determined by Radioimmunoassay with Monoclonal Antibody**
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- 2040 **High-Density Lipoprotein Subfractions as Measured by Differential Polymeric Precipitation and Rate Zonal Ultracentrifugation**
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- 2044 **Measurement of Prostatic Acid Phosphatase in Serum and Bone Marrow: Radioimmunoassay and Enzymic Measurement Compared**
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- 2057 **Predicting Recurrence in Patients with Breast Cancer from Cumulative Laboratory Results: A New Technique for the Application of Time Series Analysis**
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- 2068 **A Reagent Strip for Measuring the Specific Gravity of Urine**
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- 2073 **Serum Calcium Fractions in Diabetes Mellitus**
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- 2077 **Serum Triglycerides Determined Colorimetrically with an Enzyme That Produces Hydrogen Peroxide**
Piero Fossati and Lorenzo Precipice
- 2081 **Multipoint Kinetic Methods Evaluated for Quantitation of Theophylline with Prosthetic Group Label Immunoassay**
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- 2088 **Determination of Glycosylated Hemoglobin by Affinity Chromatography: Comparison with Colorimetric and Ion-Exchange Methods, and Effects of Common Interferences**
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- 2103 **Evaluation of a New Commercial Solid-Phase Direct Radioimmunoassay for Unconjugated Estradiol in Pregnancy Plasma**
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- 2110 **Evaluation of Determination of Glucose in Urine with Some Commercially Available Dipsticks and Tablets**
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